

# Harsh Gaurangbhai Bhansali

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## EDUCATION

### Rochester Institute of Technology, Rochester NY

Master of Science in Computer Science (MScS)

*Relevant Coursework:* Analysis of Algorithm, Data Analytics and Cognitive Computing, Data Security and Privacy

**GPA – 3.67/4.00**

August 2021 – May 2023

### Birla Institute of Technology and Sciences (BITS), Pilani, Rajasthan, India

[Post Graduate Certification in Big Data Engineering](#)

**GPA – 8.00/10.00**

July 2019 – May 2020

### Vellore Institute of Technology (VIT), Vellore, Tamil Nadu, India

Bachelor of Technology in Information Technology

**GPA – 7.65/10.00**

July 2013 – May 2017

## EXPERIENCE

### Capgemini Technology Services India Limited

Full Stack Developer

**October 2017 – July 2021**

Pune, Maharashtra, India

**Associate Consultant**, January 2020 – July 2021

**Senior Software Engineer**, January 2019 - January 2020

**Software Engineer**, January 2018 - January 2019

**Software Engineer Trainee**, October 2017 - January 2018

- Advanced through several promotions, culminating to a consultant level role responsible for leading software development activity for State Farm, one of the major competitors in the insurance sector.
- Led a team of developers to prototype and develop enterprise applications using agile software development method.
- Led front-end development effort to develop browser-independent web application that aimed at reducing the total turn-around time (TAT) by 20% for the Claim Handling process and keeping track of the state a Claim is in. The application reduced TAT by 26%.
- Led the effort to merge 4 legacy applications, developed using Struts, to create a Master application (CHIP) using modern frameworks (Spring Boot, Angular). This helped the Claim Handlers find the relevant information at a single source (CHIP). As a result, the productivity improved by a staggering 12% and saving by more than \$3 Million annually.
- Introduced a component-based architecture and a security layer, for role-based access, to a legacy web-application (CST) developed using Spring MVC.

#### Key Projects:

- CHIP – Claim Handler Inventory Prioritization. (January 2020 – July 2021)
- CST – Claim Settlement Tracker (January 2018 – December 2020)

### Aspire Software Solutions

Software Development Intern

**May 2015 – July 2015**

Ahmedabad, Gujarat, India

- Participated in a 2-week CEO shadowing and mentorship program.
- Worked closely with a team of developers to develop an inhouse spell checker, using Angular, for a text editor.

### Cosywo Engineering Company

Intern

**December 2014 – February 2015**

Ahmedabad, Gujarat, India

- Developed a web application for the company using HTML, JavaScript, CSS ([Cosywo](http://cosywo.com): cosywo.com)

## Projects

### Time Series Analysis over Cryptocurrency data

- Developed a Kafka consumer to consume real-time data for cryptocurrencies.
- Calculated the simple moving average with a sliding window of 5 minutes for every 10 minutes over the closing price of the currency. This moving average contributes as a deciding factor for buying and selling opportunities.
- Developed a feature to generate a report for the calculated moving average, over a sliding window of 5 minutes, containing the total valuation of the volume traded and the booked profit per trade made.

### Credit Card Fraud Detection System

- Implemented an end-to-end architectural solution to consume, store and scan through incoming credit card transactions for their authenticity.
- Integrated HBase and Hive frameworks to store and clean the incoming transactions.
- Using HiveQL, queried over the clean data to verify the authenticity of the transaction based on predefined conditions such as the distance between the location of current transaction and the previous transaction, the amount being debited.

### Autonomous Application Launcher

- Built an application using Selenium and Shell Script to automatically generate machine specific configuration files required to launch an enterprise level application.

## Technical Skills

**Languages:** Java, Python, R, SQL, HTML/CSS, JavaScript

**Frameworks:** Angular, Spring (Boot, Security, MVC), Hadoop, MapReduce, Apache (Kafka, Spark, Hive), HBase, Oozie, Maven, Restful/Soap API.

**Software & Tools:** Cloudera, AWS, IDE (Eclipse, Visual Studio Code), MySQL, Postgres, Postman, Soap UI, GIT, RStudio, Jenkins

## Certifications and Courses

- '[Automation Engineer Practitioner](#)' certification awarded by Capgemini Technology Services India Ltd.
- '[Oracle Certified Associate](#)' Java Programmer, by Oracle.
- '[Python for Everybody \(Specialization\)](#)' offered by the University of Michigan on Coursera.
- AI for Everyone offered by Deeplearning.ai on Coursera.

## Awards and Acknowledgements

- '**Rising Star - Peer-2-Peer**', awarded by Capgemini Technology Services India Ltd for remarkable performance and contribution to deliver high-quality products.
- '**Customer Delight**', nominated by State Farm and awarded by Capgemini Technology Services India Ltd for providing showing exceptional leadership qualities and providing efficient solutions to the client.